IN THE CLAIMS:

Please amend the claims as follows:

1(previously amended). A micro-structured paper or paper-like material having a self-cleaning and/or non-adhesive effect wherein the paper or paper-like material is micro-structured in such a way that the surface is provided with elevations and depressions whereby the distance between the elevations ranges from 0.04 to 100 microns and the height of the elevations ranges from 0.04 to 100 microns, wherein the paper or paper-like material contains particles having a size of 0.04 to 50 microns, wherein said particles are bound to said paper or paper-like material by means of a binder, and wherein the paper or paper-like material is hydrophobic across the entire cross-section of the material.

2(previously amended). The paper or paper-like material of claim 1, wherein said paper or paper-like material is additionally oil repellant.

3(previously amended). The paper or paper-like material of claim 1, wherein said paper or paper-like material has a contact angle with water greater than 120°.

4(previously amended). A method to manufacture micro-structured paper or paperlike material that is water-repellant across the entire cross section of the material and having a self-cleaning and/or non-adhesive effect comprising:

providing a paper or paper-like material comprising fibers with elevations and depressions whereby the distance between the elevations ranges from 0.04 to 100 microns and the height of the elevations ranges from 0.04 to 100 microns;

providing particles of a size of 0.04 to 50 microns;

and fixing said particles to the fibers by means of a wet-laying method using a binder together with a water-repelling agent.

5(previously amended). The method to manufacture micro-structured paper or paperlike material of claim 4, wherein said fibers are cellulosic fibers.

6(previously amended). The method of claim 4, wherein said fibers comprise synthetic fibers made of polyproylene, polyvinyl acetate, polythethylene or polylactic acid.

7(previously amended). The method of claim 4 wherein said particles are added in the amount of about 5 to about 65% per basis weight of said paper or paper-like material.

8(previously amended). The method of claim 4 further comprising adding an oil-repelling agent to the paper or paper-like material.

9(previously amended). The method of claim 8, wherein said water-repelling agents, oil-repelling agents, or both are added by the colloidal solution/gel method.

10.(previously amended). The method of claim 4, wherein optionally a first oil-repelling agent is added to the paper or paper-like material, and further comprising adding a second supplementary water-repelling finish, a oil-repelling finish, or both.

11(previously amended). The method according to claim 4, wherein said particles are selected from metal oxides, corundum, silicon dioxide, quartz, quartz powder, silica brine; TiO2, carbonates, sulfates, china, clay or talcum.

12(previously amended). The method according to claim 4, wherein the binder is selected from latex binders, acrylate binders, styrene binders, or mixtures thereof, or fluorinated silanes, fluorinated or non-fluorinated siloxanes, functionalized or non-functionalized silicone oils, or mixtures thereof.

13(previously amended). The method claim 4, further comprising an additional step of printing one micro-structured side of said paper or paper-like material.

14(previously amended). The method according to claim 13, wherein said printing occurs before making said paper or paper-like material water-repellant.

15(previously amended). A paper or paper-like product comprising said paper or paper-like material according to claim 1, wherein said product is adapted to be release paper, packing paper, cardboard boxes, or posters, such that at least a portion of the paper or paper-like material is on the exterior of the release paper, packing paper, cardboard boxes, or posters.

16(previously added). The method of claim 5, wherein said fibers additionally comprise synthetic fibers made of polyproylene, polyvinyl acetate, polythethylene, polylactic acid, or mixture thereof.

17(previously added) The method of claim 8, further comprising the step of printing on the paper or paper-like material before adding said oil-repelling agent.

18(previously added). A micro-structured paper or paper-like product having a self-cleaning and/or non-adhesive effect comprising:

a paper or paper-like material having a first surface and a second surface, wherein at least the first surface comprises alternating elevations and depressions, whereby the distance between the elevations ranges from 0.04 to 100 microns and the height of the elevations as determined from the depressions ranges from 0.04 to 100 microns;

particles having a size of 0.04 to 50 microns in an amount between about 5% and about 65% by weight of the paper or paper-like material, wherein the particles comprise an hydrophillic inorganic material bound to at least the first surface of the paper or paper-like material by means of a binder in an amount of about 1% to about 20% by weight of the paper and a first water-repelling agent in the amounts of 0.5 to 10% by weight of the paper or paper-like material applied by a wet-laying method;

wherein said paper or paper-like material is hydrophobic across the entire cross-section of the material and exhibiting a contact angle greater than 155° and substantially no hysteresis between advance contact angle and receding contact angle.

19(previously added). The paper or paper-like material of claim 18, wherein the distance between the elevations ranges from about 0.4 to about 20 microns, the height of the elevations ranges from about 0.4 to about 20 microns, the particles have a mean size between about 0.08 microns and about 30 microns, and wherein the paper or paper-like material further comprises a second water-repelling agent in an amount between about 0.5% to about 10% by weight of the paper or paper-like material.

20(previously added). The paper or paper-like material of claim 18, wherein the paper or paper-like material comprises cellulosic fibers, wherein both the first and the second sides comprise alternating elevations and depressions and the distance between the elevations ranges from about 0.4 to about 20 microns and the height of the elevations ranges from about 0.4 to about 20 microns, and wherein the particles are bound to both the first and the second sides of the paper or paper-like material.

21(previously added). The paper or paper-like material of claim 20, wherein the paper or paper-like product further comprises hydrophobic organic particles having a mean size between about 0.08 microns and about 30 microns bound to at least the second surface by said binder.

22(previously added). The paper or paper-like material of claim 20, wherein the paper or paper-like product further comprises fibers of polyproylene, polyvinyl acetate, polythethylene, polylactic acid, polyvinyl acetate, or bi-component fibers made of polypropylene and polyethylene.